



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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July 14, 1999

TO: Minerals File

FROM: Tom Munson, Senior Reclamation Specialist *TM*

RE: Site Inspection, Clifton Mining Company, Gold Hill Cactus Mill, S/045/049, Tooele County, Utah

Date of Inspection: June 30, 1999
Time of Inspection: 11:00 AM- 2:00AM
Conditions: Sunny
Participants: Bob Holliday, Clifton Mining Company; Terry Snyder, Mike Ford, Alan Rabinoff, BLM; Wayne Hedberg, Tom Munson, DOGM

Purpose of Inspection: To determine the extent and area of disturbance at the Mill Site.

We arrived on site at 11:00 AM and met Mr. Holliday. After preliminary introductions and discussions on what we hoped to accomplish at the site, we proceeded to look at the BLM watering tank, overflow pipe and watering trough for sheep, located just south of the mill site. We then proceeded to the junction box and discussed the type of structure from which the spring or ground water came. The spring appeared to be flowing from a small old, wooden covered mine adit (although we were not certain). Water was flowing from the adit by gravity flow into a diversion pipe leading down gradient to the BLM storage tank. We noted a dead kestrel and a dead rabbit floating in the water at the spring. An old abandoned mine shaft with a hand wench and cable was located just west of (@50 ft.) and up the hill from this water source (water in this shaft was estimated at @10 feet below the surface).

Mr. Holliday was asked how much disturbance was associated with the mill site. He stated that they estimated the disturbance to be around 8 acres. Mr. Hedberg and Ms. Snyder proceeded to measure the area inside perimeter of the Mill site fence surrounding the site with two Global Positioning System (GPS) units. Unfortunately, the data file from the State's GPS unit was later determined to be incomplete and did not record properly. The file from the BLM's GPS unit was calculated at 8.626 acres (see attached map). A GPS location measurement was taken of the section corner closest to the site. A GPS area measurement of the upper access road located outside of the fence was also taken by the State. This segment was found to contain 0.287 acres, making the total disturbance approximately 8.9 acres (not including the main access road).

The remainder of the site was walked and the following items were observed:

1. The tailings pond sample location points were pointed out by Mr. Holliday and described as 12 samples composited to 18" deep, which were split and sent to the lab for analysis. There were three unlined ponds and one plastic lined pond for holding fresh water.
2. The group observed a large half round holding tank containing neutralized cyanide solution located next to the mill building. The solution appeared to be nearly evaporated (a few inches of solution remained in the tank). It was fenced and sheltered.
3. We asked to see inside the new mill building, but Mr. Holliday did not have the key.
4. We toured the older Mill Building and Mr. Holliday explained the grinding and extraction process used to make concentrates (Ball mill, flotation circuit, filter presses, etc.).
5. Mr. Holliday stated that water samples had been taken from the second process pond and the overflow from the fresh water pond.
6. Several barrels of flotation reagents were stored outside of the older mill building and in a shed adjacent to the mill building.
7. Mr. Holliday said that there are 5-6 cyanide barrels locked and secured in the new mill building (originally purchased in 1984 or 1985?).
8. Mr. Holliday mentioned that the closed cyanide leach circuit, 2nd ball mill, and other components in the new mill building are not operational and have never operated.
9. Also observed were two small furnaces and a smelting area for pouring gold or silver bars with some waste material outside a three-sided cement enclosure.

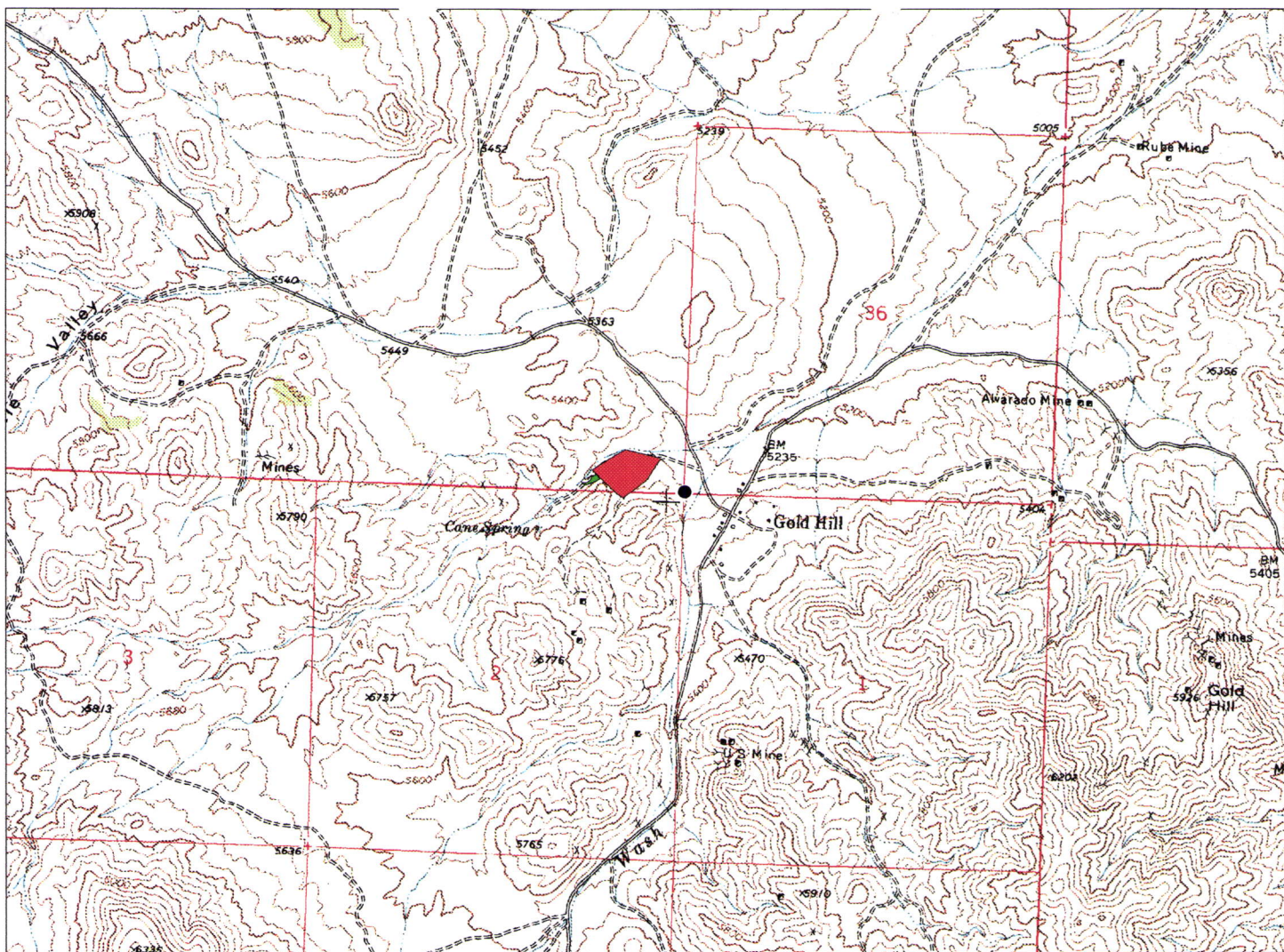
Several photos were taken to document the extent of the onsite disturbances and existing facilities.

jb

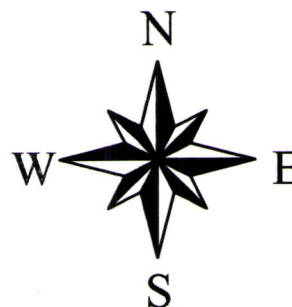
Attachment: Map

cc: Bob Holliday, Clifton Mining Company
Keith Moeller, Clifton Mining Company
Mike Ford, BLM, Salt Lake FO
Alan Rabinoff, BLM, State Office
Terry Snyder, BLM, State Office

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- Section corner
- Disturbed area 8.626 acres
- Road 0.287 acres



Clifton Mining Company
Cactus Mill Site
T 7 S - R 18 W and T 8 S - R 18 W
Gold Hill Quadrangle
1:24,000